Direct Part Marking Resources: Qualification & Testing

Mission Statement Database

- To make available to all sectors of the IUID community, a common set of direct 2D marking reference data, including qualification/test reports and summary reports, that the DoD & Supplier base can use with little or no additional effort required.

And Best of All…It's Free

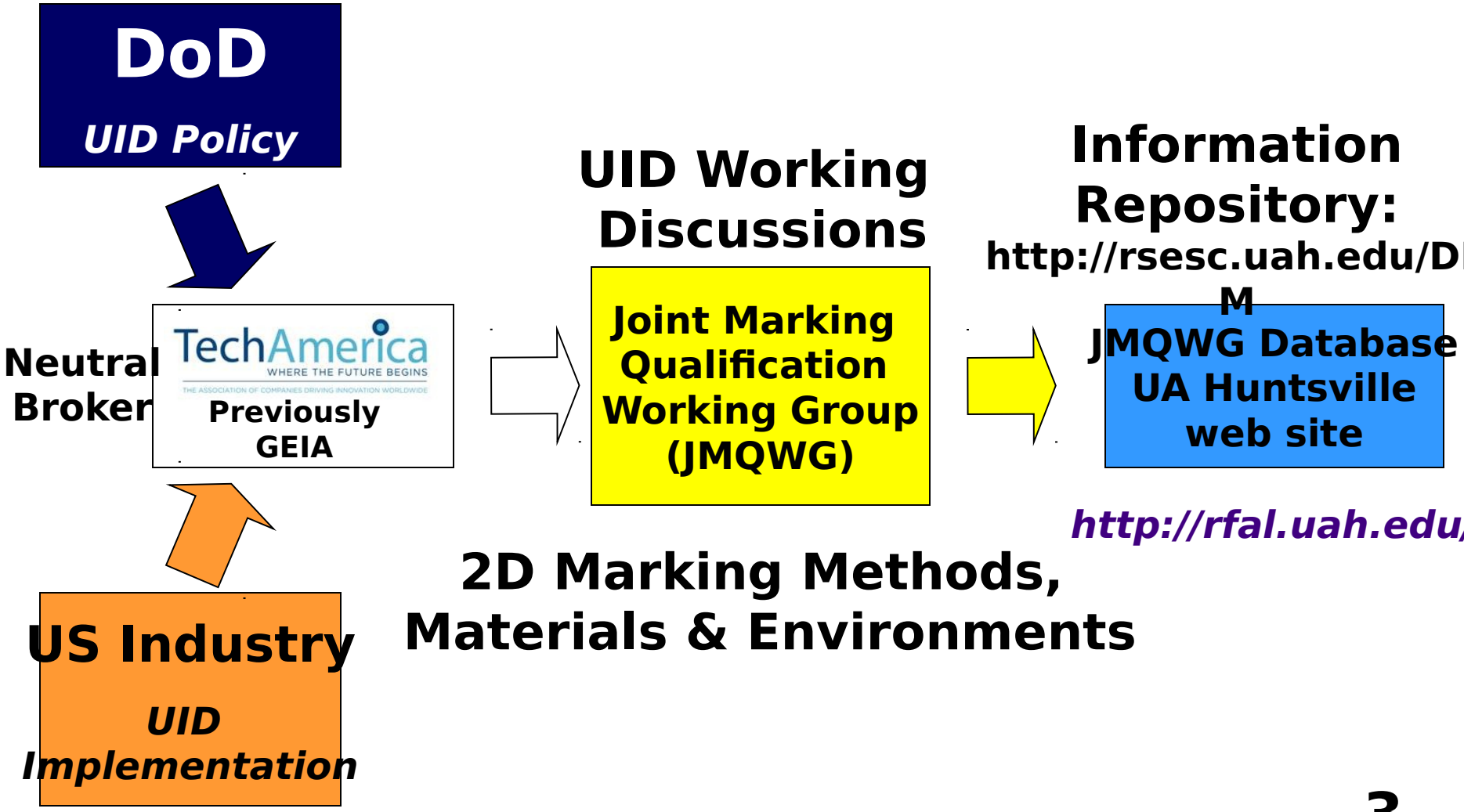
Web site:
http://rsaes.uah.edu/DPM

Three Considerations for Marking

(Addressed in the Database)

- IUID marking methods (dot peen, laser/ chemical etch, direct ink, label, engraving, coating).
- Material types & finishes (80% common to most of Industry – Aluminum, Titanium, Steel, Copper/nickel).
- Environmental criteria (80% common to most of Industry or use worst case - ultraviolet, heat, cold, lubricants, humidity).

IUID Database Development Proce

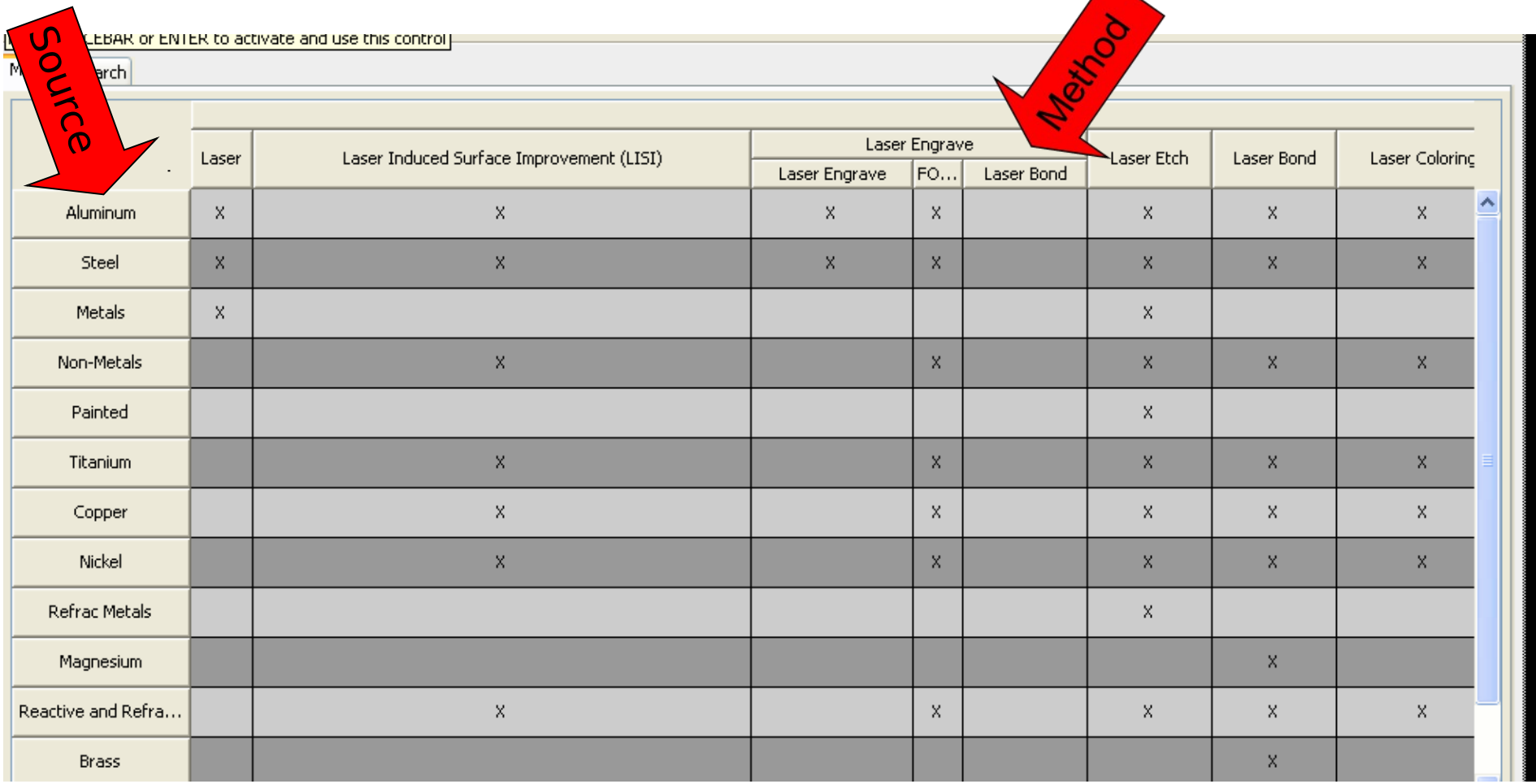


IUID Materials Database

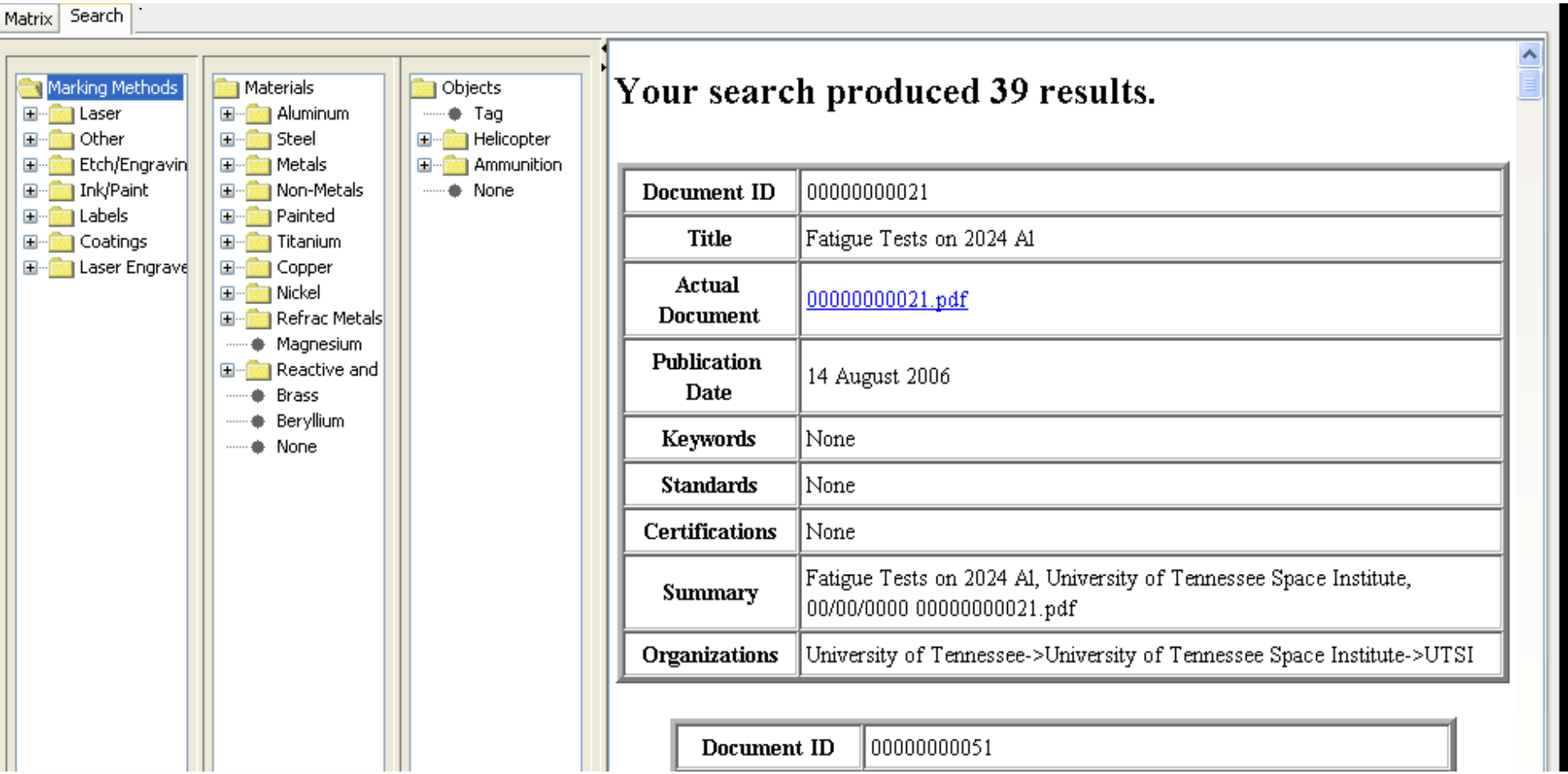
- Source data received from US Government and Industry.
- University of Alabama-Huntsville has compiled the available data in the database.
- User requests for additional data help fill database.
- University testing facilities available to interested parties.
- Database includes information on label

Web site: http://rsesc.uah.edu/DPM

Snapshot of Main Database Page



Snapshot of Search Page



Invitation to Exploit Our Data

- A significant amount of qualification & test data is already available in the database.
- We encourage organizations to share completed test data on 2D marking and material properties.
- Otherwise, organizations will have to perform all the testing they need themselves.
  - Gov't & Industry may end up performing duplicate testing → resulting in wasted schedule & test $$$

Let's Share – This Is Not a Competitive Advantage Item

Summary

- Potential for large DoD/Industry cost avoidance if direct marking testing data is shared.
- Database utilization standardizes and consolidates DPM data in one place… free to IUID Community.

For more information, contact:

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